

1.



$$r = 4m$$

$$d = r \times 2$$

$$= 4 \times 2$$

$$= 8m$$

$$A = ?$$

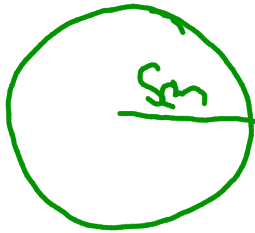
$$A = \pi r^2$$

$$= 3.14 \times 4 \times 4$$

$$= 50.24 m^2$$

$$= 50m^2$$

2.



$$r = 5m$$

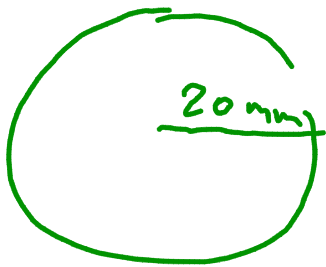
$$d = 10m$$

$$A = \pi r^2$$

$$= 3.14 \times 5 \times 5$$

$$= 78.5cm^2$$

3

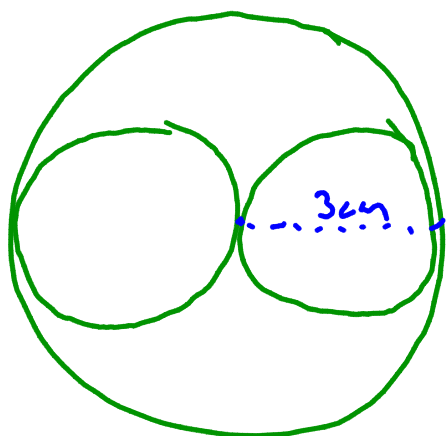


$$r = 20\text{mm}$$

$$d = 40\text{mm}$$

$$\begin{aligned} A &= \pi r^2 \\ &= 3.14 \times 20 \times 20 \\ &= \underline{1256\text{mm}^2} \end{aligned}$$

4.



$$d_{big} = 6 \text{ cm}$$

$$r_{big} = 3 \text{ cm}$$

$$A_{big} = \pi r^2$$

$$A = 3.14 \times 3 \times 3$$

$$= 28.26 \text{ cm}^2$$

$$d_{small} = 3 \text{ cm}$$

$$r_{small} = 1.5 \text{ cm}$$

$$A = \pi r^2$$

$$= 3.14 \times 1.5 \times 1.5$$

$$= 7.065 \text{ cm}^2$$

for one circle, I need
for 2 circles

$$7.065 \times 2 = 14.13 \text{ cm}^2$$

Area of
both small
circles

$$A_{big} - (A_{small} \times 2) = 28.26 - 14.13$$

$$= 14.13 \text{ cm}^2$$